

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF AN ACTUATED PEDESTRIAN PHASE ON THE SOUTH LEG OF THE INTERSECTION ON MD 97 (GEORGIA AVENUE) AND HINES ROAD @ PRINCE PHILLIP DRIVE IN MONTGOMERY COUNTY.

INTERSECTION OPERATION

THE INTERSECTION SHALL OPERATE AS A NEMA 5 PHASE, WITH AN ALTERNATE PHASE 4 PEDESTRIAN PHASE.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. LEE STARKLOFF, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7318
MR. DENNIS MCMAHON, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 513-7336
MR. WAYNE MOWDY, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304
MR. AUGIE REBISH, UTILITY ENGINEER
PHONE: (301) 513-7350
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. BOBBY GONZALES, TRAFFIC ENGINEER - MCDPW&T
PHONE: (240) 777-8761

EQUIPMENT LIST

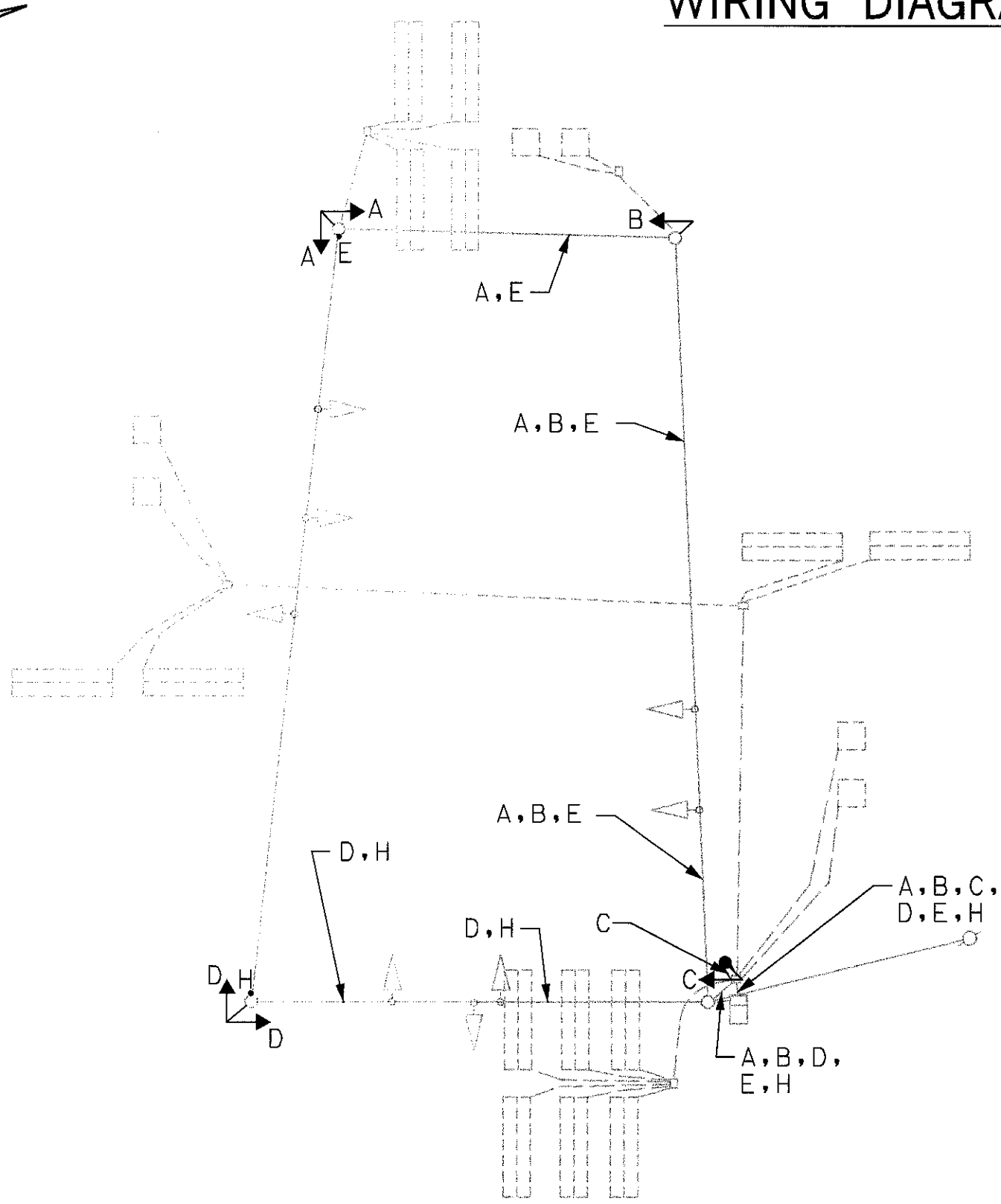
A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
9547	FLAT SHEET ALUMINUM SIGNS CONSISTING OF : SHIELD ASSEMBLY (24"x51") SHIELD ASSEMBLY (36"x75") R10-4C MOD. (9"x12") PEDESTRIAN SIGN	SF EA EA EA	59 2 2 2

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	1
2002	TEST PIT EXCAVATION	CY	1
5003	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMRNT MARKINGS	LF	360
5004	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS	LF	70
5005	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS ANY WIDTH	LF	75
6003	FURNISH AND INSTALL 4 INCH CONCRETE SIDEWALK	SF	100
8001	12 INCH PEDESTRIAN SIGNAL HEAD	EA	16
8009	BREAKAWAY PEDESTAL POLE (ANY SIZE)	EA	1
8011	PUSHBUTTON AND SIGN	EA	2
8013	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	LS	1
8021	CONCRETE FOR SIGNAL FOUNDATIONS	CY	1
8029	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	10
8043	INSTALL OVERHEAD SIGN	SF	59
8056	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)	LF	200
8057	ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)	LF	270
8058	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	200

WIRING DIAGRAM



KEY

- A } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
D }
B } 3 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
C }
E } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
H }

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
PHASE 1 AND 6	G	G	G	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW
1 AND 6 CHANGE	Y	Y	Y	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW
PED CLEARANCE	G	G	G	G	G	R	R	R	R	R	R	FLDW	FLDW	FLDW	FLDW	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	DW	DW
4 AND 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8 ALT	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	WK	WK
PED CLEARANCE	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	FLDW	FLDW
4 AND 8 ALT CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLR	FLR	FLR	FLR	FLR	FLR	DARK	DARK	DARK	DARK	DARK	DARK

SHA#: MC2845/051 TID#: AT288-58

SHA MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION PLAN
MD 97 AT
HINES ROAD/PRINCE PHILLIP DRIVE

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 100
BALTIMORE, MD 21227
(410) 737-8564
WWW.SABRA-WANG.COM

DRAWN BY: L. YEH	F.A.P. NO.	TS NO.	SHEET NO. 2 OF 2
CHECKED BY: S. SMITH	S.H.A. NO.	3074B	
SCALE: 1" = 20'	COUNTY: MONTGOMERY	T.I.M.S. NO.	
DATE: APRIL 2004	LOG MILE: IS009710.24	F932	